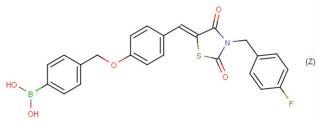
Data Sheet (Cat.No.T11533)

TargetMol
A DRUG SCREENING EXPERT

HA155

Chemical Properties



CAS No.:	1312201-00-5
Formula:	C24H19BFNO5S
Molecular Weight:	463.29
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	HA-155 is a selective and potent autotaxin (ATX) inhibitor (IC50: 5.7 nM).
Targets(IC_{50})	ATX: 5.7 nM
In vitro	HA-155 inhibits ATX by binding to the ATX active site [1]. HA155 completely attenuates the thrombin-mediated increase in platelet-derived LPA in a dose-dependent manner [3].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.158 mL	10.792 mL	21.585 mL
5 mM	0.432 mL	2.158 mL	4.317 mL
10 mM	0.216 mL	1.079 mL	2.158 mL
50 mM	0.043 mL	0.216 mL	0.432 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Albers HM, et al. Chemical Evolution of Autotaxin Inhibitors. Chem Rev. 2012 May 9;112(5):2593-603.
2. Albers HM, et al. Structure-based design of novel boronic acid-based inhibitors of autotaxin. J Med Chem. 2011 Jul 14;54(13):4619-26.
3. Fulkerson Z, et al. Binding of autotaxin to integrins localizes lysophosphatidic acid production to platelets and mammalian cells. J Biol Chem. 2011 Oct 7;286(40):34654-63.

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